PHOTOGRAPHIC INTERPRETATION REPORT

JABAL HAMZI
SSM COMPLEX
EGYPT

[redacted] 25X1

OCTOBER 1967

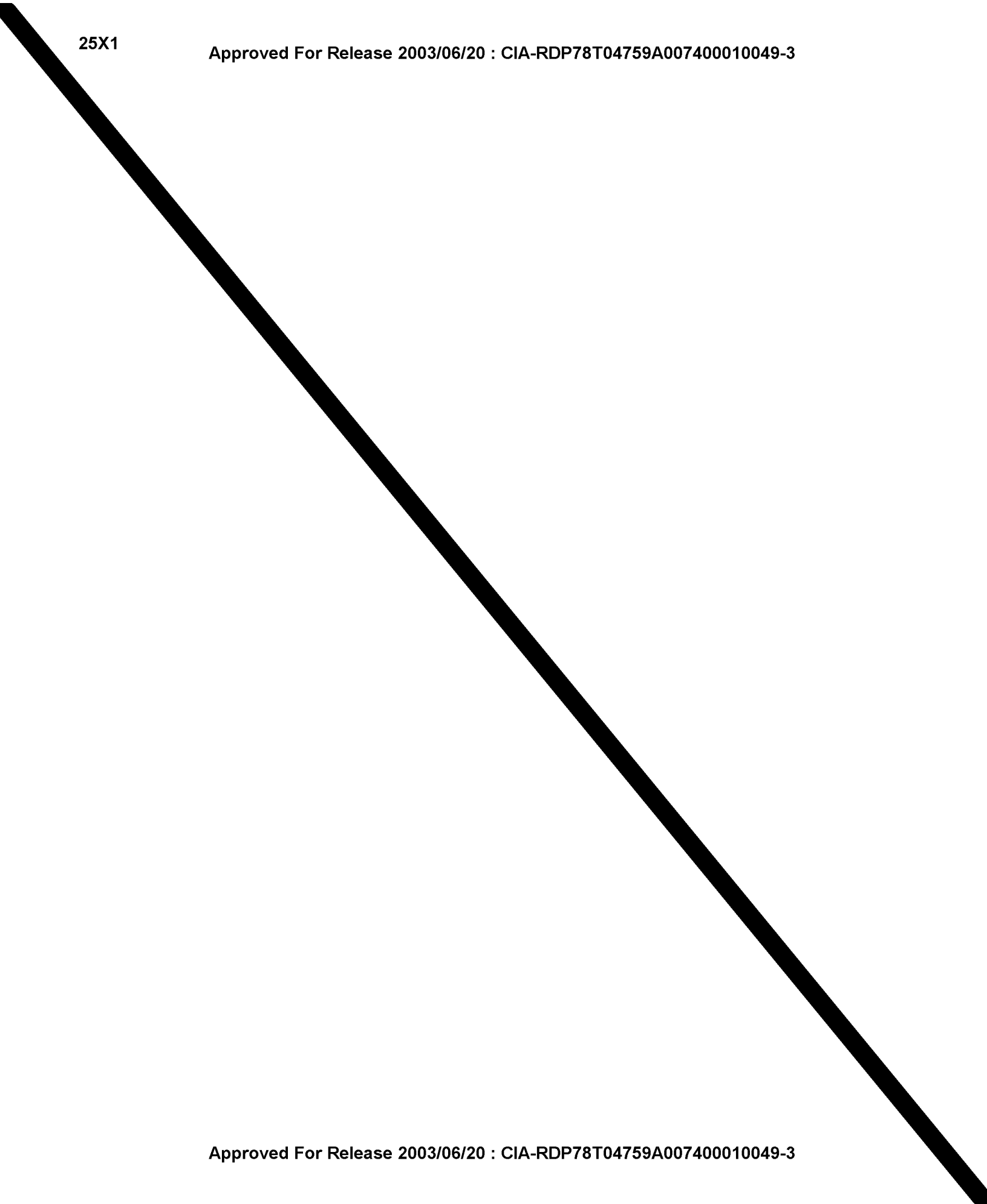
COPY [redacted]

9 PAGES

[redacted] 25X1

DECLASS REVIEW by NIMA/DOD

GROUP 1 EXCLUDED FROM AUTOMATIC DOWNGRADING AND DECLASSIFICATION



Approved For Release 2003/06/20 : CIA-RDP78T04759A007400010049-3

PHOTOGRAPHIC INTERPRETATION REPORT

JABAL HAMZI
SSM COMPLEX
EGYPT

OCTOBER 1967

NATIONAL PHOTOGRAPHIC INTERPRETATION CENTER

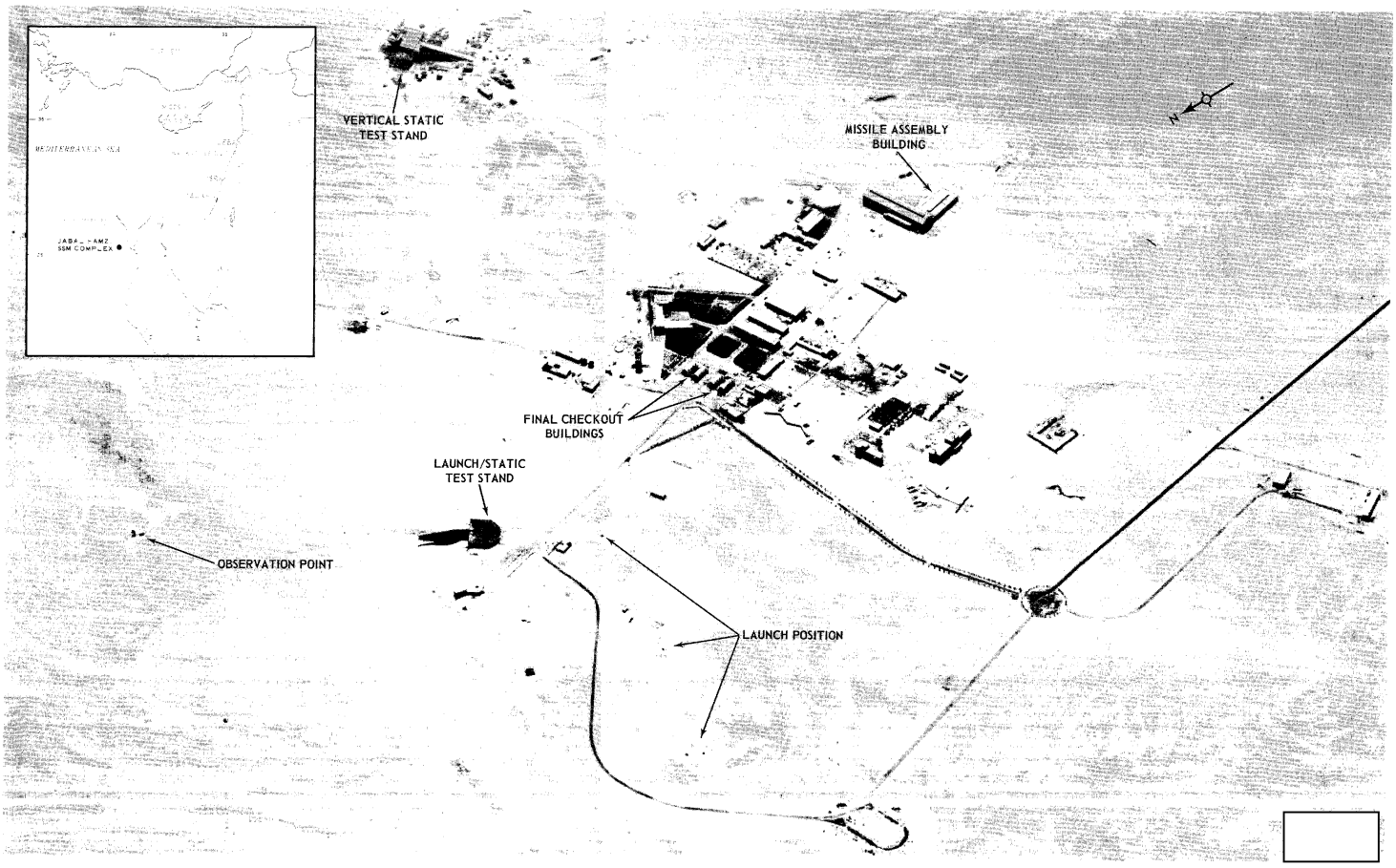


FIGURE 1. JABAL HAMZI SSM COMPLEX, EGYPT.

INTRODUCTION

The Jabal Hamzi SSM Complex, the only known surface-to-surface missile (SSM) facility in Egypt, is located at 30-08N 030-36E, 30 nautical miles (nm) west-northwest of Al Qahirah (Cairo) and 12 nm west-southwest of the abandoned Jabal Hamzi Airfield. The complex (Figures 1 and 2) includes facilities for the assembly, checkout, static testing, and launching of surface-to-surface missiles. The launch azimuth is 240 degrees into the southwest desert region. The complex was first seen on [redacted] Mis-

25X1D

25X1
25X1D
25X1D

[redacted]

LAUNCH AND TEST AREA

The major components of the launch and test area (Figure 2) are the 3 road-served circular Launch Positions A, B, and C, a launch/static test stand, minor instrumentation sites, and 2 blockhouses. Prior to [redacted] each launch position had been occupied by a flame splitter. [redacted] showed that the flame splitter at Launch Position C had been moved approximately 20 to 25 feet toward the launch/static test stand, and that 2 probable flame splitters separated by a low earthen wall are positioned within the original confines of Launch Position A. Flame splitters have been visible at the launch positions on all [redacted] missions covering the launch and test area (Figure 3). The mobile launchers displayed with Al Zafir (Victor) missiles in the Cairo parades of [redacted] had built-in flame deflectors and would not require the flame splitters observed at Launch Positions A, B, and C. However, no mobile transporter/erector/launchers have ever been observed in either the launch positions or any other area of the Jabal Hamzi SSM Complex. The loop road west of Launch Position A, or the access road south of it, could have been used with a mobile launcher but the only evidence for this is the presence of 2 possible missile-related unidentified objects on the road south of Launch Position A (Figure 3). These are similar to 2 possible launch-related unidentified objects immediately in front of Launch Position B (Figure 3), which have been observed on ground photography (Inset, Figure 3) and on [redacted] missions. No such objects have been observed at Launch Position C.

25X1D
25X1D
25X1D
25X1
25X1D
25X1D
25X1

The only crater observed near the complex is located approximately 2,500 feet east of the launch and test area. First seen in [redacted] the crater cannot be negated on available photography.

25X1D

Launch/Static Test Stand

The launch/static test stand (Figures 2 and 4) is connected directly with Launch Position C by probable rails built into the road surface which provides access to the tiedown position on the upper level of the stand. Access to the lower level is by road from the rear of the stand.

The blockhouse (Item 6, Figure 2), connected by cable trench to the stand, had a [redacted] foot extension on [redacted]

25X1D

A possible conversion unit (Figure 3), to make the stand adequate for testing various missile systems/components, was located near the tiedown position on [redacted]

25X1D

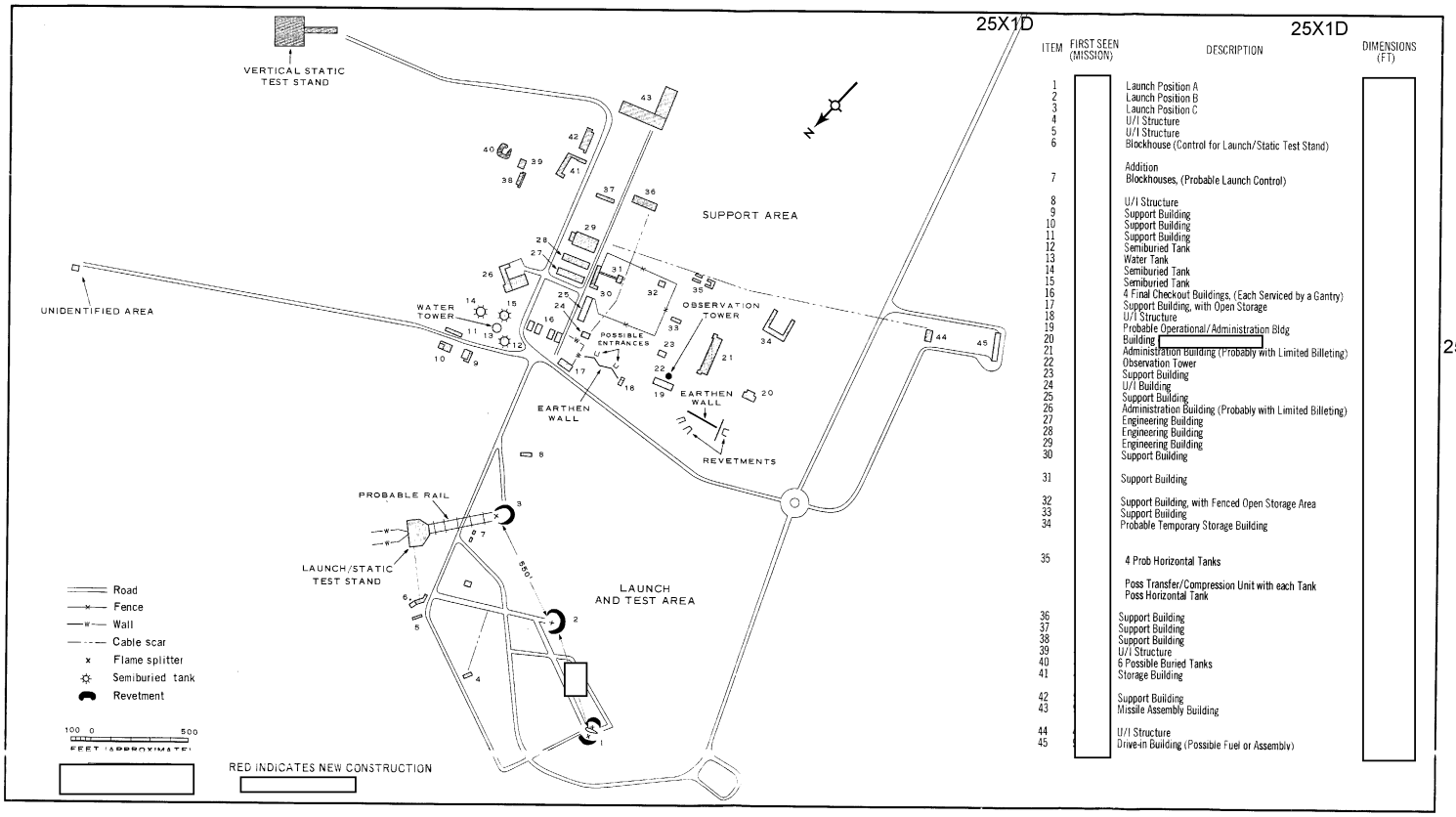
25X1D
25X1

An artist's concept of the launch/static test stand is shown in Figure 4.

Instrumentation

Existing instrumentation is limited to various occupied and unoccupied probable positions for cameras, manually operated instruments, and visual observations, and is apparently concentrated near Launch Position A.

There are 2 observation towers associated with the complex: one at the rangehead (Item 22, Figure 2) and the other 4.0 nm southeast of the

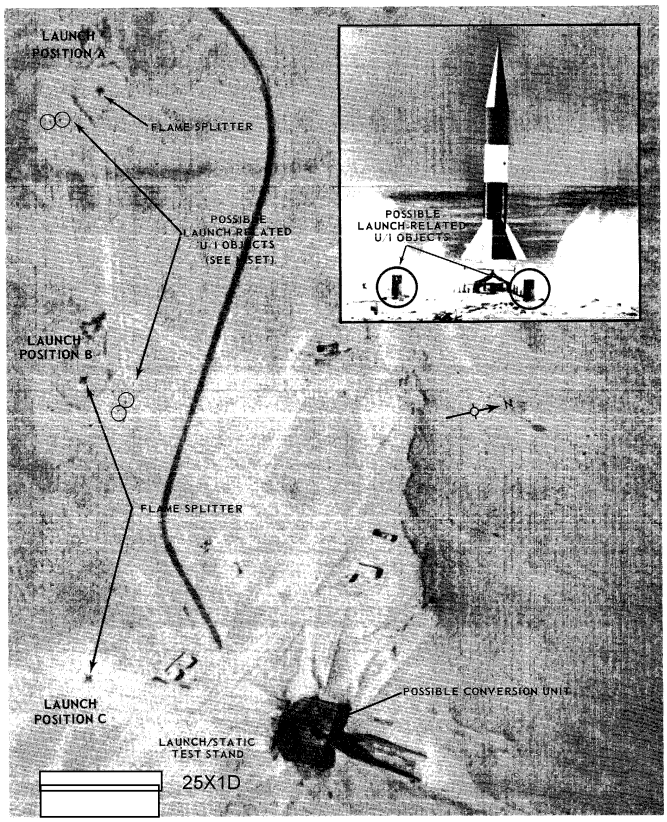


ITEM	FIRST SEEN (MISSION)	DESCRIPTION	DIMENSIONS (FT)
1		Launch Position A	
2		Launch Position B	
3		Launch Position C	
4		U/I Structure	
5		U/I Structure	
6		Blockhouse (Control for Launch/Static Test Stand)	
		Addition	
7		Blockhouses, (Probable Launch Control)	
8		U/I Structure	
9		Support Building	
10		Support Building	
11		Support Building	
12		Semiburied Tank	
13		Water Tank	
14		Semiburied Tank	
15		Semiburied Tank	
16		4 Final Checkout Buildings, (Each Serviced by a Gantry)	
17		Support Building, with Open Storage	
18		U/I Structure	
19		Probable Operational/Administration Bldg	
20		Building [redacted]	
21		Administration Building (Probably with Limited Billeting)	
22		Observation Tower	
23		Support Building	
24		U/I Building	
25		Support Building	
26		Administration Building (Probably with Limited Billeting)	
27		Engineering Building	
28		Engineering Building	
29		Engineering Building	
30		Support Building	
31		Support Building	
32		Support Building, with Fenced Open Storage Area	
33		Support Building	
34		Probable Temporary Storage Building	
35		4 Prob Horizontal Tanks	
		Poss Transfer/Compression Unit with each Tank	
		Poss Horizontal Tank	
36		Support Building	
37		Support Building	
38		Support Building	
39		U/I Structure	
40		6 Possible Buried Tanks	
41		Storage Building	
42		Support Building	
43		Missile Assembly Building	
44		U/I Structure	
45		Drive-in Building (Possible Fuel or Assembly)	

25X1D

FIGURE 2. LAYOUT OF JABAL HAMZI SSM COMPLEX, EGYPT.

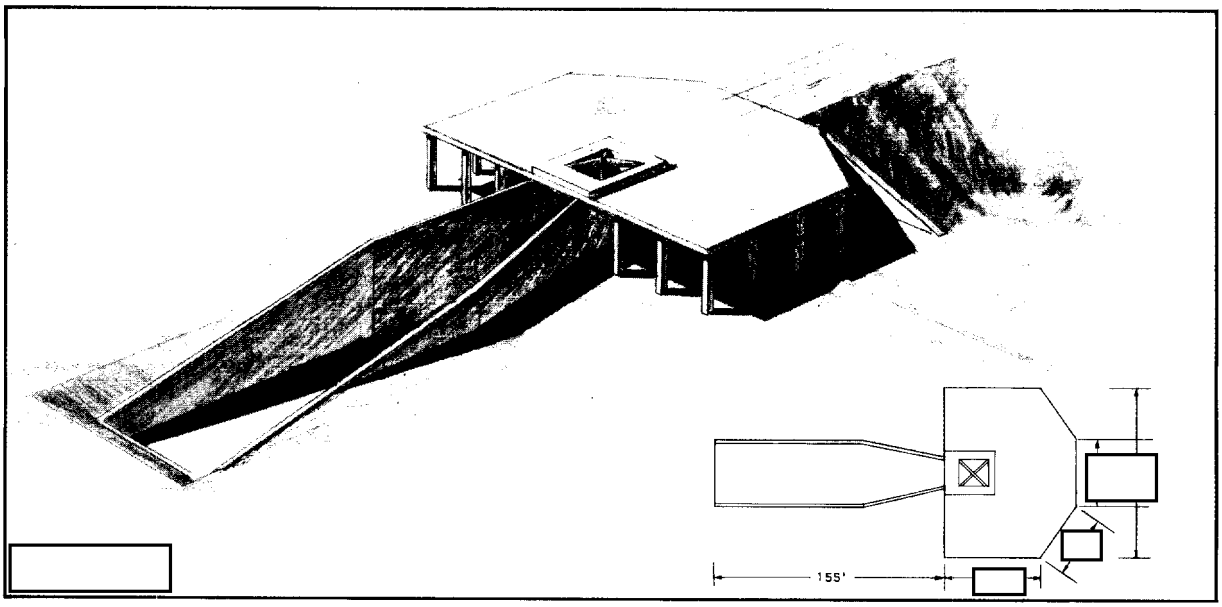
25X1



25X1

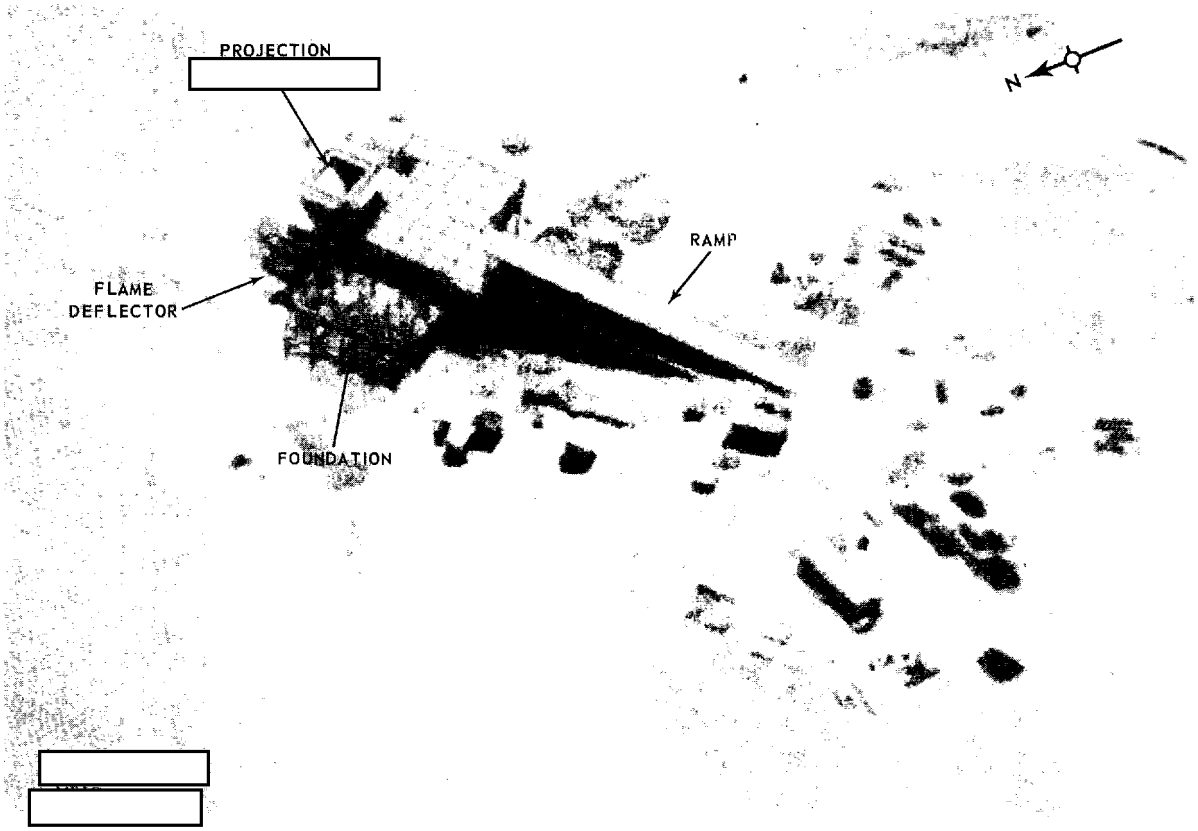
FIGURE 3. LAUNCH POSITIONS (FLAME SPLITTERS) AND LAUNCH/STATIC TEST STAND (POSSIBLE CONVERSION UNIT), JABAL HAMZI SSM COMPLEX, EGYPT.

25X1



25X1D
25X1D
25X1D
25X1

FIGURE 4. ARTIST'S CONCEPT OF LAUNCH STATIC TEST STAND, JABAL HAMZI SSM COMPLEX, EGYPT.



25X1D
25X1D
25X1

FIGURE 5. VERTICAL STATIC TEST STAND, JABAL HAMZI SSM COMPLEX, EGYPT.

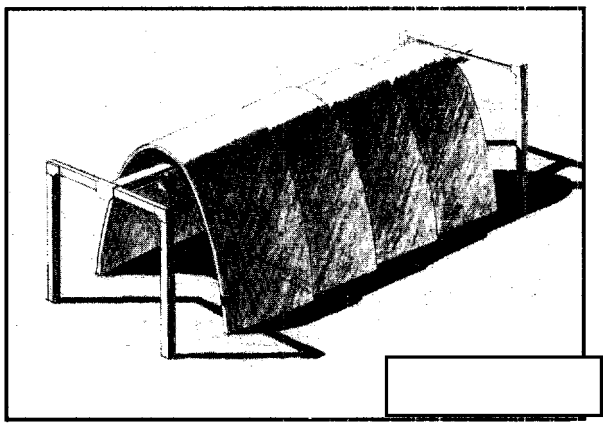


FIGURE 6. ARTIST'S CONCEPT OF FINAL CHECKOUT BUILDING, SUPPORT AREA, JABAL HAMZI SSM COMPLEX, EGYPT.

rangehead at 30-07N 30-41E, along the access road from the Cairo - Alexandria road. Five buildings and 2 possible stickmasts are associated with the observation tower along the access road; no comparable buildings are present at the rangehead observation tower. A T-shaped building and a water tower are located 1.0 nm east of the access road observation tower. A group of buildings similar in appearance and positioning to those associated with the observation tower along the access road is located 6.0 nm north-northeast of the rangehead at 30-12N 30-40E; no observation tower is observed at this location. Construction activity was observed at these locations on [redacted] The rangehead observation tower was first seen [redacted] Quality and cloud cover precluded earlier identification of the rangehead tower.

VERTICAL STATIC TEST STAND

The vertical static test stand (Figures 1 and 2) has shown no appreciable change since it was observed in the midstage of construction in [redacted] The major parts of the foundation, flame deflector, and access ramp are present (Figure 5). A projection for holding the test article is positioned over the flame deflector. The projection, which is supported from underneath on each side, is [redacted] overall in plan dimensions and has a center opening [redacted] The foundation is approximately [redacted] overall, with supports and 2 levels visible on the west side and, apparently, 3 levels on the east side. The access ramp has 2 levels, the higher of which is above the current level of the foundation and approximately even with the height of the overhanging projection. In the current stage of construction, the exact function of the stand cannot be determined. Survey markers outlining the location of the foundation and flame deflector for the test stand were first visible in [redacted]

SUPPORT AREA

The support area (Figure 2), as seen in [redacted] contained an L-shaped missile assembly building (Item 43, Figure 2), 4 final checkout buildings (Item 16, Figure 2), an engineering building (Item 27, Figure 2), an administration building (Item 26, Figure 2), a support building (Item 25, Figure 2), and miscellaneous other support buildings. An artist's concept of a final checkout building is shown in Figure 6.

Construction during the past [redacted] since [redacted] is probably related to a new missile development program centered around the vertical static test stand. Major new construction includes 2 engineering buildings (Items 28 and 29, Figure 2), an administration building (Item 21, Figure 2), and a probable operations/administration building (Item 19, Figure 2).

An Al Qahir (conqueror) missile was observed near the missile assembly building [redacted]

REFERENCES

AERIAL PHOTOGRAPHY

[redacted] 25X1D

MAPS OR CHARTS

ACIC. US Air Target Chart, Series 200, Sheet 50447-11AL, 1st ed, May 61, scale 1:200,000 (SECRET)

AMS. Series P502, Sheet NH 36-5, 3d ed, Apr 61, scale 1:250,000 (UNCLASSIFIED)

REQUIREMENT

GMAIC. 37-7

NPIC PROJECT

11286/67

Approved For Release 2003/09/26 : CIA-RDP78T04759A007400010049-3